

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-175918

(43)Date of publication of application : 09.07.1990

(51)Int.Cl. D01F 6/90
C08L 77/00
D01F 1/04
D01F 1/10
// D01D 1/02
D04H 1/42

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(54) POLYAMIDE MOLDED ARTICLE AND PRODUCTION THEREOF

(57)Abstract:

PURPOSE: To obtain the title molded article free from poor dispersibility and contamination, etc., of dye and pigment,

having coloring properties and functional properties having excellent fastness by blending dye and pigment and additive used in form of liquid mixture blended with a specific dispersing medium with a melted polyamide.

CONSTITUTION: (A) Dye and pigment and/or additive are blended with (B) a dispersing medium (preferably

polycondensation reaction product of succinic acid with diethylene glycol) consisting of a polymer mainly composed of recurring unit expressed by the formula [k is positive integer; l is 1 or 2; R1 is CmH2m (m is 2-12) alkylene; R2 is CnH2n (n is 2-4) alkylene]. Then the resultant liquid mixture is blended with a polyamide kept in melted state and then the blend is subjected to melt molding to provide the aimed molded article. Furthermore, blend of the liquid mixture with polyamide is preferably carried out just before a nozzle of every molding head of molding equipment and blend thereafter is preferably carried out using a stationary blending element.